

ABSTRACT

A projection type display device includes a light source, a picture information display element, and a light deflection device with a function to

5 deflect light from the light source and irradiate the deflected light on a region of the picture information display element. The light deflection device scans the region on the picture information display element to be irradiated with light over the entire picture information display element within each frame period to thereby project a picture. A picture is displayed

10 by changing the region on the picture information display element irradiated by light within a period of each one frame. The projection type display device provides sharp moving pictures and bright images.

Furthermore, the projection type display device provides a wide dynamic range and faithful tone reproducibility for pictures that are mainly dark

15 images. Moreover, the projection type display device can use a Half-V type FLC element for creating bright and sharp moving pictures.